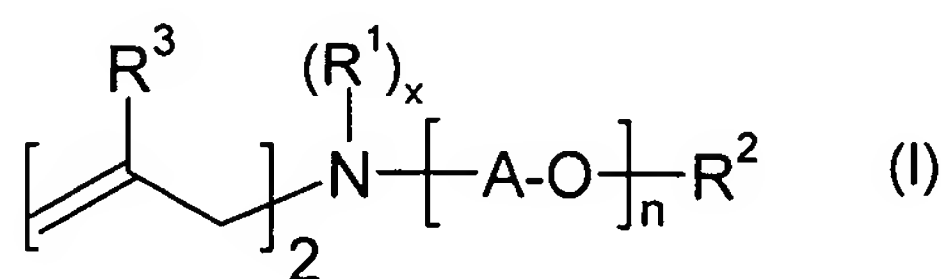


**AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A polymer comprising, as monomeric building blocks,
  - a) at least one diallylamine of the general formula I (monomer A) in neutral or quaternized form



where

A-O is C<sub>1</sub>-C<sub>12</sub>-alkylene oxide, styrene oxide or any mixtures thereof,

n is an integer from 2 to 200,

x is 0 or 1,

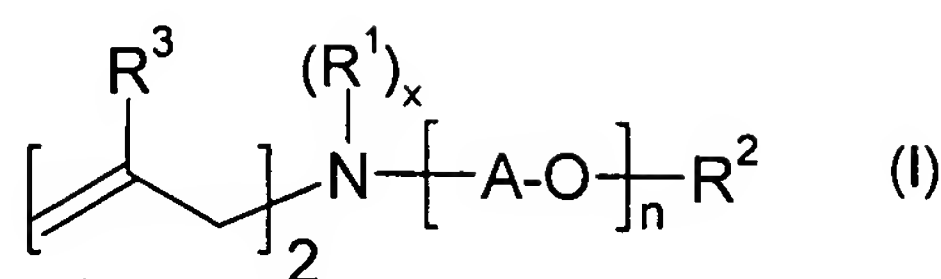
R<sup>1</sup> is hydrogen, C<sub>1</sub>- to C<sub>20</sub>-alkyl, C<sub>2</sub>- to C<sub>20</sub>-alkenyl, C<sub>5</sub>- to C<sub>10</sub>-cycloalkyl or an optionally substituted benzyl radical,

R<sup>2</sup> is hydrogen, C<sub>1</sub>- to C<sub>30</sub>-alkyl, C<sub>5</sub>- to C<sub>8</sub>-cycloalkyl, C<sub>6</sub>- to C<sub>20</sub>-aryl, C<sub>1</sub>- to C<sub>30</sub>-alkanoyl, C<sub>7</sub>- to C<sub>21</sub>-aroyl, sulfuric (half-)esters, phosphoric esters, amino or ammonium, and

R<sup>3</sup> may be identical or different and is hydrogen, C<sub>1</sub>- to C<sub>20</sub>-alkyl, C<sub>2</sub>- to C<sub>20</sub>-alkenyl, C<sub>5</sub>- to C<sub>10</sub>-cycloalkyl C<sub>10</sub>-cycloalkyl or aryl,

- b) at least one ethylenically unsaturated monomer (monomer B) chosen from the group consisting of
  - i. N-vinyl lactams,
  - ii. N-vinyl amides,
  - iii. N-vinylimidazoles,
  - iv. N,N-diallylamines different from monomer A, and any mixtures of these monomers or salts thereof,

- c) if appropriate one or more ethylenically unsaturated monomers C, and
  - d) if appropriate at least one crosslinker.
2. (Previously Presented) The polymer according to claim 1, where monomer B is N-vinylcaprolactam or N-vinylpyrrolidone.
  3. (Currently Amended) The polymer according to ~~at least one of claims~~ claim 1 ~~to 2~~, where the weight-average molecular weight  $M_w$  of the polymer is in the range from 1000 to 2 000 000.
  4. (Currently Amended) The polymer according to ~~at least one of claims~~ claim 1 ~~to 3~~, where the polymer has a K value of from 20 to 120.
  5. (Currently Amended) The polymer according to ~~at least one of claims~~ claim 1 ~~to 4~~, where the monomer mixture to be polymerized comprises
    - a. 1-95 mol % of monomer A
    - b. 5-99 mol % of monomer B and
    - c. 0-50 mol % of monomer C.
  6. (Currently Amended) The polymer according to ~~one of claims~~ claim 1 ~~to 5~~, where the polymer comprises 0.01 to 5% by weight of crosslinkers, based on the total amount of the monomers A, B and C.
  7. The polymer according to ~~one of claims~~ claim 1 ~~to 6~~, where the polymer is soluble or dispersible in water.
  8. (Currently Amended) A process for the preparation of the polymers according to ~~one of claims~~ claim 1 ~~to 7~~, wherein the monomers A and B and optionally C and optionally a crosslinker are free-radically polymerized.
  9. (Currently Amended) A cosmetic preparation comprising polymers according to ~~one of claims~~ claim 1 ~~to 7~~ and further additives customary in cosmetics.
  10. (Currently Amended) A hair care composition comprising polymers according to ~~one of claims~~ claim 1 ~~to 7~~ and further additives customary in hair care.
  11. (Currently Amended) The use of polymers comprising, as monomeric building blocks,
    - a) at least one diallylamine of the general formula I (monomer A) in neutral or quaternized from



where

A-O is C<sub>1</sub>-C<sub>12</sub>-alkylene oxide, styrene oxide or any mixtures thereof,

n is an integer from 2 to 200,

x is 0 or 1,

R<sup>1</sup> is hydrogen, C<sub>1</sub>- to C<sub>20</sub>-alkyl, C<sub>2</sub>- to C<sub>20</sub>-alkenyl, C<sub>5</sub>- to C<sub>10</sub>-cycloalkyl or an optionally substituted benzyl radical,

R<sup>2</sup> is hydrogen, C<sub>1</sub>- to C<sub>30</sub>-alkyl, C<sub>5</sub>- to C<sub>8</sub>-cycloalkyl, C<sub>6</sub>- to C<sub>20</sub>-aryl, C<sub>1</sub>- to C<sub>30</sub>-alkanoyl, C<sub>7</sub>- to C<sub>21</sub>-aroyl, sulfuric (half-)esters, phosphoric esters, amino or ammonium, and

R<sup>3</sup> may be identical or different and is hydrogen, C<sub>1</sub>- to C<sub>20</sub>-alkyl, C<sub>2</sub>- to C<sub>20</sub>-alkenyl, C<sub>5</sub>- to C<sub>10</sub>-cycloalkyl, ~~C<sub>10</sub>-cycloalkyl~~ C<sub>10</sub>-cycloalkyl or aryl,

b) if appropriate one or more ethylenically unsaturated monomers C, and

c) if appropriate at least one crosslinker

in cosmetic or dermatological preparations.

12. (Currently Amended) The use according to claim 11, where, as component b), at least one ethylenically unsaturated monomer ~~chosen~~ is selected from the group consisting of

i. N-vinyl lactams,

ii. N-vinyl amides,

iii. N-vinylimidazoles, and

iv. N,N-diallyl amines different from monomer A,

and any mixtures of these monomers or salts thereof, is present, in cosmetic preparations or as hair care compositions.

13. (Previously Presented) A cosmetic composition comprising polymers as defined in claim 12 and further additives customary in cosmetics.

14. (Newly added) The polymer according to claim 2, where the weight-average molecular weight M<sub>w</sub> of the polymer is in the range from 1000 to 2 000 000.

15. (Newly added) The polymer according to claim 2, where the polymer has a K value of from 20 to 120.
16. (Newly added) The polymer according to claim 2, where the monomer mixture to be polymerized comprises
- a. 1-95 mol % of monomer A
  - b. 5-99 mol % of monomer B and
  - c. 0-50 mol % of monomer C.
17. (Newly added) The polymer according to claim 2, where the polymer comprises 0.01 to 5% by weight of crosslinkers, based on the total amount of the monomers A, B and C.
18. (Newly added) The polymer according to claim 3, where the polymer has a K value of from 20 to 120.
19. (Newly added) The polymer according to claim 3, where the monomer mixture to be polymerized comprises
- a. 1-95 mol % of monomer A
  - b. 5-99 mol % of monomer B and
  - c. 0-50 mol % of monomer C.
- 20 (Newly added) The polymer according to claim 4, where the monomer mixture to be polymerized comprises
- a. 1-95 mol % of monomer A
  - b. 5-99 mol % of monomer B and
  - c. 0-50 mol % of monomer C.